

## Contents of Volume 52

No. 1, Spring 1985

### I. Renal Stone Symposium

<b>Introduction: renal stone disease</b>	
Stevan B. Streem, M.D. ....	1
<b>Contributions</b>	
<b>Nonurographic evaluation of renal calculous disease</b>	
Gregory P. Borkowski, M.D., Craig R. George, M.D., and Peter B. O'Donovan, M.D. ....	3
<b>Urinary tract stones in immobilized children</b>	
Paul W. Musselman, M.D., and Robert Kay, M.D. ....	11
<b>Single-stage percutaneous extraction of renal calculi</b>	
Stevan B. Streem, M.D., Margaret G. Zelch, M.D., Barbara Risius, M.D., and Michael A. Geisinger, M.D. ....	15
<b>Extracorporeal renal surgery and autotransplantation for complicated stone disease</b>	
Andrew C. Novick, M.D. ....	21
<b>Primary hyperoxaluria: a frequently unappreciated cause of chronic renal failure</b>	
Donald R. Steinmuller, M.D. ....	27

### II. Articles and Features of General Interest

<b>Irvine H. Page Lecture 1981</b>	
<b>The lesions of atherosclerosis</b>	
Russell Ross, Ph.D. ....	31
<b>Original Contributions</b>	
<b>Pediatric bacterial endocarditis: long-term follow-up</b>	
Russell G. Fisher, D. O., Douglas S. Moodie, M.D., and Roselyn Rice, M.D. ....	41
<b>A simplified computer program for the performance of physiological calculations from cardiac catheterization data</b>	
Douglas C. Schaber, D.O., and Frank C. Carangio, A.E.E. ....	47
<b>Intravenous digital subtraction angiography in the evaluation of systemic and pulmonary venous anomalies</b>	
Dale L. Haggman, D.O., Douglas S. Moodie, M.D., Richard Sterba, M.D., and Carl C. Gill, M.D. ....	55
<b>Presumptive evidence of cardiac rheumatoid nodules assessed by two-dimensional echocardiography: a preliminary report</b>	
Barney B. Beaver, D.O., Ernesto E. Salcedo, M.D., John Yiannikas, M.D., and Rafael Arsuaga, M.D. ....	61
<b>Alcoholism in the families of bulimic anorexics</b>	
Gregory B. Collins, M.D., Margaret Kotz, D.O., Joseph W. Janesz, M.Ed., Matthew Messina, and Thomas Ferguson ....	65
<b>Immunologic studies of peripheral blood lymphocytes and lymph nodes in Hodgkin's disease: a preliminary report</b>	
James R. Cunningham, M.D., Ronald M. Bukowski, M.D., Rafael Valenzuela, M.D., and Raymond Tubbs, D.O. ....	69

<b>Editorial</b>	
<b>Teenage suicide</b>	
David S. Rue, M.D. ....	73
<b>Case Reports</b>	
<b>The initial case at The Cleveland Clinic Foundation of the automatic implantable cardioverter-defibrillator and review of the literature</b>	
Marilyn King-Rankine, M.D., James D. Maloney, M.D., Leonard A. R. Golding, M.D., and Richard Norris, R.N. ....	75
<b>Necrolytic migratory erythema-like dermatitis with malabsorption</b>	
Richard E. Ranchoff, M.D., Gary R. Kantor, M.D., Peter H. Slugg, M.D., Wilma F. Bergfeld, M.D., and Kenneth J. Tomecki, M.D. ....	81
<b>Dermatology Feature</b>	
<b>Primary cutaneous B-cell lymphoma: report of a case and review of the English-language literature</b>	
Gary R. Kantor, M.D., Richard E. Ranchoff, M.D., Raymond R. Tubbs, D.O., and Willard D. Steck, M.D. ....	87
<b>Clinical Pharmacology Update</b>	
<b>Pharmacologic management of migraine—1985</b>	
Robert S. Kunkel, M.D. ....	95
<b>Pathology Feature</b>	
<b>Ultrastructural and immunomorphologic study of perinuclear filaments in Merkel cell tumors</b>	
James T. McMahon, Ph.D., Raymond R. Tubbs, D.O., Wilma F. Bergfeld, M.D., Ronald G. Wheeland, M.D., and Philip L. Bailin, M.D. ....	103
<b>Book Reviews</b>	
<b>Pharyngitis Management in an Era of Declining Rheumatic Fever</b> , ed. by Stanford T. Shulman, M.D.	
Reviewed by Michael Macknin, M.D. ....	111
<b>Interpretation of Immunofluorescent Patterns in Skin Diseases</b> , by Rafael Valenzuela, M.D., Wilma F. Bergfeld, M.D., and Sharad D. Deodhar, M.D., Ph.D.	
Reviewed by Samuel F. Bean, M.D. ....	111
<b>Preterm Birth: Causes, Prevention and Management</b> , ed. by Fritz Fuchs, M.D., and Phillip G. Stubblefield, M.D.	
Reviewed by Mortimer G. Rosen, M.D. ....	112
<b>Reviewers for the Cleveland Clinic Quarterly—1984</b>	
James S. Taylor, M.D. ....	113
<b>No. 2, Summer 1985</b>	
<b>I. Rheumatic and Immunologic Disease: Selected Papers</b>	
<b>Contributions</b>	
<b>The association of lupus anticoagulant and anti-DNA binding in patients with systemic lupus erythematosus</b>	
Ralph E. Bennett, M.D., Leonard H. Calabrese, D.O., Fred V. Lucas, M.D., and John D. Clough, M.D. ....	115
<b>Autoantibodies in systemic lupus erythematosus of late onset</b>	
Arjeh J. Wysenbeck, M.D., David R. Mandel, M.D., Maureen D. Mayes, M.D., and John D. Clough, M.D. ....	119

<b>Oral chrysotherapy in rheumatoid arthritis: auranofin. Cleveland Clinic experience and literature review</b>	
Daniel J. Mazanec, M.D., Allen M. Segal, D.O., Allen H. Mackenzie, M.D., and Mary Lippert, R.N. ....	123
<b>Hepatotoxicity of prolonged methotrexate therapy for rheumatoid arthritis</b>	
Allen H. Mackenzie, M.D. ....	129
<b>T lymphocyte proliferation in lymphomatoid granulomatosis</b>	
Robert E. Petras, M.D., Raymond R. Tubbs, D.O., Gordon N. Gephardt, M.D., Bruce A. Sebek, M.D., Joseph A. Golish, M.D., and James K. Weick, M.D. ....	137
<b>Proposed pathogenesis of fibrositis</b>	
William S. Wilke, M.D., and Allen H. Mackenzie, M.D. ....	147
<b>Masked presentation of giant-cell arteritis</b>	
William S. Wilke, M.D., Arjeh J. Wysenbeek, M.D., Patricia L. Krall, P.A.C., and Allen M. Segal, D.O. ....	155
<b>Review Articles</b>	
<b>Disseminated gonococcal infection: the tenosynovitis-dermatitis and suppurative arthritis syndromes</b>	
Paul G. Koss, M.D. ....	161
<b>Cryoimmunoglobulins: properties, prevalence in disease, and removal</b>	
Paul S. Malchesky, D. Eng., and John D. Clough, M.D. ....	175
<b>Cryotherapy: review of physiological effects and clinical application</b>	
Jeffrey J. Ciolek, P.T., A.T., C. ....	193
<b>Case Reports</b>	
<b>Streptobacillary fever: an unusual cause of infectious arthritis</b>	
David R. Mandel, M.D. ....	203
<b>Pregnancy and progressive systemic sclerosis: case report and review of the literature</b>	
Leonard Scarpinato, D.O., and Allen H. Mackenzie, M.D. ....	207
<b>Fulminating vasculitis in a homozygous C2-deficient patient</b>	
Ralph E. Bennett, M.D., John D. Clough, M.D., and Leonard H. Calabrese, D. O. ....	213
<b>Editorials</b>	
<b>AIDS: current achievement, future problems</b>	
Leonard H. Calabrese, D.O. ....	217
<b>Methotrexate in rheumatoid arthritis</b>	
John D. Clough, M.D. ....	219
<b>II. Articles and Features of General Interest</b>	
<b>Editorial</b>	
<b>Evoked visual potentials</b>	
Gastone G. Celesia, M.D. ....	221
<b>Original Contributions</b>	
<b>Visual potentials evoked by light-emitting diodes mounted in goggles</b>	
Ronald P. Lesser, M.D., Hans Lüders, M.D., G. Klem, R. EEG T., and Dudley S. Dinner, M.D. ....	223
<b>Contrast two-dimensional echocardiography in the diagnosis of adult congenital heart disease</b>	

Robert Detrano, M.D., Ph.D., Ernesto E. Salcedo, M.D., John Yiannikas, M.D., and Douglas S. Moodie, M.D. ....	229
<b>Comparative accuracy and wall-motion analysis by digital subtraction and first-pass radionuclide ventriculography</b>	
Robert Detrano, M.D., Ph.D., Conrad Simpfendorfer, M.D., John Yiannikas, M.D., Donald A. Underwood, M.D., Ernesto E. Salcedo, M.D., and Michael Rollins, M.D. ....	239
<b>The Cleveland Clinic Alcohol Rehabilitation Program: a treatment outcome study. A preliminary report</b>	
Gregory B. Collins, M.D., Joseph W. Janesz, M.Ed., Jan Byerly-Thrope, M.A., Sarah B. Forsythe, and Matthew J. Messina ....	245
<b>Chronic active hepatitis induced by nitrofurantoin</b>	
Thomas L. Young, M.D., Edgar Achkar, M.D., F.A.C.P., Ralph Tuthill, M.D., and D. Roy Ferguson, M.D., F.A.C.P. ....	253
<b>Case Report</b>	
<b>Squamous cell carcinoma of the rectal stump in a patient with ulcerative colitis: report of a case and review of the literature</b>	
Seid Hossien Mir-Madjlessi, M.D., F.A.C.P., and Richard G. Farmer, M.D., F.A.C.P. ....	257
<b>Clinical Pharmacology Update</b>	
<b>Cyclosporine and organ transplantation</b>	
Donald R. Steinmuller, M.D. ....	263
<b>Pathology Feature</b>	
<b>Osteomalacia associated with aluminium intoxication in a patient with chronic renal failure</b>	
Thomas W. Bauer, M.D., Ph.D., Kathryn L. Popowniak, M.D., Bernard N. Stulberg, M.D., and James T. McMahon, Ph.D. ....	271
<b>Book Reviews</b>	
<b>Cardiac Emergencies</b> , edited by Melvin M. Scheinman	
Reviewed by Donald Underwood, M.D. ....	279
<b>Therapeutic Approaches to Myocardial Infarct Size Limitations</b> , edited by David J. Hearse and Derek M. Yellon	
Reviewed by Donald Underwood, M.D. ....	279
<b>Urinary Stone</b> , edited by Rosemary Ryall, Gwynne J. Brickis, Villis Marshall, and Birdwell Finlayson	
Reviewed by Stevan B. Streem, M.D. ....	279
<b>Urodynamics: Principles, Practice and Application</b> , edited by A. R. Mundy, T. P. Stephenson, and A. Wein	
Reviewed by Drogo K. Montague, M.D. ....	280
<b>Pancreatic Pathology</b> , by Günter Klöppel and Philipp U. Heitz	
Reviewed by Robert E. Petras, M.D. ....	280
<b>Biological and Clinical Aspects of Soft and Hard Tissue Repair</b> , edited by T. K. Hunt, R. B. Heppenstall, E. Pines, and D. Rovee	
Reviewed by James E. Zins, M.D. ....	281
<b>The Healing Bond: Human Relations Skills for Nurses and Other Health Care Professionals</b> , by Mai L. Fleury	
Reviewed by A. Dale Gulledge, M.D. ....	281

**I. Home Care Symposium**

<b>Introduction: home care</b>	
Edward D. Sivak, M.D., and Ezra Steiger, M.D. ....	283
<b>Contributions</b>	
<b>Chronic renal failure: lessons from the past and for the future</b>	
Christopher R. Blagg, M.D. ....	285
<b>Home therapy for kidney disease: continuous ambulatory peritoneal dialysis and continuous cyclic peritoneal dialysis</b>	
Martin J. Schreiber, Jr., M.D., Donald G. Vidt, M.D., and Robert J. Cunningham, M.D. ....	291
<b>Psychological aspects of home care for the patient with end-stage renal disease</b>	
Lilian Gonsalves-Ebrahim, M.D. ....	299
<b>Long-term management of the ventilator patient in the home</b>	
D. Armin Fischer, M.D. ....	303
<b>Long-term management of the ventilator-dependent patient: preparation for home care</b>	
Edward D. Sivak, M.D. ....	307
<b>Mechanical ventilation in the home: the role of the psychiatrist</b>	
W. Terry Gipson, M.D. ....	313
<b>Total parenteral nutrition and fluid/electrolyte therapy in the home: nine years' experience</b>	
Ezra Steiger, M.D., F.A.C.S., Cathleen Marein, R.N., B.S.N., Patrice Misny, R.N., B.S.N., Faith Srp, R.N., Megan O'Neill, B.A., and Jane Paysinger, Pharm.D. ....	317
<b>Common psychiatric concerns in home parenteral nutrition</b>	
A. Dale Guldridge, M.D. ....	329
<b>Home intravenous antibiotic therapy</b>	
Susan J. Rehm, M.D. ....	333
<b>Resource utilization for the neurologically impaired patient: a compendium of available sources</b>	
Susan Miller Paulson, M.D. ....	339
<b>Rehabilitation of the communicatively impaired</b>	
Melinda Harrison, M.A., C.C.C.-S.P., Paula J. Blumetti, O.T.R./L., and Lisa C. Cohen, M.S.W., A.C.S.W. ....	345
<b>Home care: a shifting of ethical responsibilities</b>	
George A. Kanoti, S.T.D. ....	351
<b>The role of social work in contemporary home care planning</b>	
John W. Sharp, M.S.S.A., A.C.S.W., and Edward D. Sivak, M.D. ....	355
<b>Book Reviews</b>	
<b>Cardiopulmonary Physical Therapy</b> , ed. by Scot Irwin and Jan S. Tecklin	
Reviewed by Keith Filip, P.T. ....	359
<b>Orthopaedic and Sports Physical Therapy</b> , ed. by James Gould and George Davies	
Reviewed by Jeffrey J. Ciolek, P.T., A.T.C. ....	359

## II. Articles and Features of General Interest

### Irvine H. Page Lecture 1984

#### Basic science and clinical medicine: problems and opportunities at the interface

Edgar Haber, M.D. .... 361

### Original Contributions

#### Mitral valve replacement: results 20 years after operation

Bruce W. Lytle, M.D., Delos M. Cosgrove, M.D., Judith Borsh, R.N., Lon A. Castle, and Floyd D. Loop, M.D. .... 369

#### Total repair of tetralogy of Fallot in the adult: the Cleveland Clinic experience 1951-1981

Mark S. Kreindel, M.D., Douglas S. Moodie, M.D., Richard Sterba, M.D., and Carl C. Gill, M.D. .... 375

#### Clinical evaluation of sufentanil/pancuronium versus halothane/pancuronium in patients undergoing coronary artery surgery

Fawzy G. Estafanous, M.D., and Andrew M. Zurick, M.D. .... 383

#### Hemodynamic effects of sufentanil/metocurine versus sufentanil/pancuronium in patients undergoing coronary artery surgery

Fawzy G. Estafanous, M.D., and Andrew M. Zurick, M.D. .... 391

#### Affective disorder in bulimic anorexics and their families

Gregory B. Collins, M.D., Margaret Kotz, D.O., Matthew Messina, and Thomas Ferguson .... 399

### Case Reports

#### Severe congenital tricuspid regurgitation in the newborn: a rare form with myxomatous valvular incomplete development

Douglas S. Moodie, M.D., Richard Sterba, M.D., and Norman B. Ratliff, M.D. .... 403

#### Thrombotic thrombocytopenic purpura in a patient with systemic lupus erythematosus

Richard C. Becker, M.D., Michael Giuliani, M.D., and James K. Weick, M.D. .... 409

### Clinical Pharmacology Update

#### Theophylline and its interactions

Peter H. Slugg, M.D., and Charles E. Pippenger, Ph.D. .... 417

### Dermatology Feature

#### Epidermolysis bullosa of the Weber-Cockayne type with macular amyloidosis

Gary R. Kantor, M.D., James M. Kasick, M.D., Wilma F. Bergfeld, M.D., James T. McMahon, Ph.D., and John A. Krebs, M.D. .... 425

### Pathology Feature

#### Metastatic cecal adenocarcinoma presenting as a testicular adnexal mass

Howard S. Levin, M.D., James T. McMahon, Ph.D., and Gary E. Barnett, M.D. .... 429

### Letter to the Editor

#### Low-profile bioprostheses for mitral regurgitation associated with idiopathic hypertrophic subaortic stenosis

Paolo Stassano, M.D., Domenico Iorio, M.D., Cesare Gagliardi, M.D., and Nick Spampinato, M.D. .... 437

<b>Continuing Medical Education . . . . .</b>	<b>440</b>
<b>Book Reviews</b>	
<b>Hammersmith Cardiology Workshop Series</b> , ed. by Attilio Maseri and John F. Goodwin	
Reviewed by William A. Schiavone, D. O. . . . .	441
<b>The Theory and Practice of Infection Control</b> , ed. by Inge Gurevich, Patricia Tafuro, and Burke H. Cunha	
Reviewed by Thomas F. Keys, M.D. . . . .	441
<b>Polycystic Ovarian Disease</b> , by Walter Futterweit	
Reviewed by Martin M. Quigley, M.D. . . . .	442
<b>Calcium Entry Blockers and Tissue Protection</b> , ed. by Theophile Godfraind, Paul M. Vanhoutte, Stefano Govoni, and Rodolfo Paoletti	
Reviewed by Frederick A. Heupler, Jr., M.D. . . . .	443
<b>Pocket Atlas of Normal CT Anatomy</b> , by James B. Weinstein, Joseph K. T. Lee, and Stuart S. Sagel	
Reviewed by Gregory P. Borkowski, M.D. . . . .	443
<b>Symposium on Sports Medicine: The Knee</b> , ed. by Gerald Finerman	
Reviewed by Thomas E. Anderson, M.D. . . . .	443
<b>The Aging Process: Therapeutic Implications</b> , ed. by Robert N. Butler and Alexander G. Bearn	
Reviewed by Peter H. Slugg, M.D. . . . .	443

**No. 4, Winter 1985**

**I. Symposium on New Technology in Pulmonary Disease**

<b>Introduction: new technology in pulmonary disease</b>	
Muzaffar Ahmad, M.D., and Herbert P. Wiedemann, M.D. . . . .	445

**Contributions**

<b>Open lung biopsy: processing, evaluation, and diagnosis</b>	
Gordon N. Gephhardt, M.D. . . . .	447
<b>Pulmonary immunohistology</b>	
Raymond R. Tubbs, D.O. . . . .	473
<b>Transcutaneous oxygen monitoring</b>	
Herbert P. Wiedemann, M.D., Douglas K. Orens, R.R.T., and Edward D. Sivak, M.D. . . . .	483
<b>Diagnostic value of fiberoptic bronchoscopy in acquired immunodeficiency syndrome</b>	
Christine Wollschlager, M.D., and Faroque Khan, M.B. . . . .	489
<b>Retrieval of microbiological specimens through the fiberoptic bronchoscope</b>	
Glenn Meden, M.D., Gerri S. Hall, Ph.D., and Muzaffar Ahmad, M.D. . .	495
<b>Analytical electron microscopy in pneumoconiosis</b>	
James T. McMahon, Ph.D. . . . .	503
<b>Palliative treatment of malignant airway obstruction by Nd-YAG laser</b>	
Atul C. Mehta, M.D., Joseph A. Golish, M.D., Muzaffar Ahmad, M.D., Andrew Zurick, M.D., Nilda Shanon Padua, M.D., and James O'Donnell, M.D. . . . .	513
<b>Improved evaluation of pulmonary disease with gallium-67 emission tomography</b>	
James K. O'Donnell, M.D., Raymundo T. Go, M.D., Edward M. Cordasco, M.D., David H. Feiglin, M.D., Joseph A. Golish, M.D., Atul C. Mehta, M.D., Muzaffar Ahmad, M.D., and William J. MacIntyre, M.D. . . . .	525

<b>Magnetic resonance imaging of the chest: initial experience</b>	
Jeffrey S. Ross, M.D., Peter B. O'Donovan, M.D., and Gregory P. Borkowski, M.D. ....	533
<b>Review Article</b>	
<b>Computed tomography of the thorax</b>	
Peter B. O'Donovan, M.D., Jeffrey S. Ross, M.D., Edward D. Sivak, M.D., and Thomas F. Meaney, M.D. ....	541
<b>Editorial</b>	
<b>Bronchoalveolar lavage</b>	
Muzaffar Ahmad, M.D., Mary Jane Thomassen, Ph.D., and Martha K. Cathcart, Ph.D. ....	549
<b>II. Articles and Features of General Interest</b>	
<b>Editorial</b>	
<b>The importance of verifying the diagnosis of acute venous thrombosis</b>	
D. E. Strandness, Jr., M.D. ....	553
<b>Original Contributions</b>	
<b>Noninvasive diagnosis of clinically suspected deep venous thrombosis</b>	
Marian E. McCandless, R.N., Jess R. Young, M.D., and Claudia L. Swift, R.N. ....	555
<b>Orthostatic hypotension: clinical experience with diagnostic tests</b>	
Fetnat M. Fouad, M.D., Robert C. Tarazi, M.D., and Emmanuel L. Bravo, M.D. ....	561
<b>Commentary</b>	
Maurice R. Hanson, M.D. ....	568
<b>Digital subtraction angiography in the diagnosis of arrhythmogenic right ventricular dysplasia</b>	
Dean M. Pollock, M.D., Lon W. Castle, M.D., Robert Detrano, M.D., and Richard Sterba, M.D. ....	569
<b>Evaluation of cardiac tumors with digital subtraction angiography</b>	
Kenneth J. Ramsey, D.O., Robert Detrano, M.D., Conrad C. Simpfendorfer, M.D., Ernesto E. Salcedo, M.D., and Douglas S. Moodie, M.D. ....	573
<b>Case Report</b>	
<b>Primary aortoduodenal fistula without abdominal aortic aneurysm</b>	
Mark T. Jaroch, M.D., James T. Diehl, M.D., and Albert M. Zippert, M.D. ....	579
<b>Pathology Feature</b>	
<b>Inclusion body myositis: a possible chronic persistent muscle infection by mumps virus</b>	
Samuel M. Chou, M.D., Ph.D. ....	583
<b>Book Reviews</b>	
<b>End Points for Cardiovascular Drug Studies</b> , ed. by Ruth Johnson Hegyeli	
Reviewed by William L. Proudfit, M.D. ....	591
<b>Cardiovascular Radiology</b> , by Eugene Gedgudas, James H. Moller, Wilfrido R. Castaneda-Zuniga, and Kurt Amplatz	
Reviewed by Peter B. O'Donovan, M.D. ....	591
<b>Physiology of the Intestinal Circulation</b> , ed. by A. P. Shephard and D. N. Granger	
Reviewed by Edgar Achkar, M.D. ....	591
<b>Candidiasis</b> , ed. by Victor Fainstein and Gerald P. Bodey	
Reviewed by Geraldine S. Hall, Ph.D. ....	592

<b>Intensive Therapy, by Gillian C. Hanson, H. E. R. Chew, and C. S. Waldman</b>	
Reviewed by Edward D. Sivak, M.D. ....	592
<b>Books Received</b> .....	593
<b>Reviewers for the Cleveland Clinic Quarterly—1985</b>	
James S. Taylor, M.D. ....	595
<b>Annual Index 1985</b> .....	599